



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/467,174	12/20/1999	SHINICHI TSUJIMOTO	35.G2518	2015

5514 7590 05/06/2003

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

FLETCHER, JAMES A

ART UNIT

PAPER NUMBER

2615

DATE MAILED: 05/06/2003

4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/467,174	TSUJIMOTO, SHINICHI <i>(initials)</i>
	Examiner	Art Unit
	James A. Fletcher	2615

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 20 December 1999.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-35 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>3</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Funazaki (5,682,458).

Regarding claims 1 and 2, Funazaki discloses:

- an input device for inputting location information associated with a picture-taking image (Col 2, lines 35-37 “an inputting section for allowing additional data relating to a shot to be manually input thereon” and Col 1, lines 37-39 “the locations and dates of shots...and other data relating to the shots are filed together with the image data”); and
- a conversion device for converting the location information inputted by the input device to a plurality of signals in different representation forms (Col 4, lines 20-24 “the processor controls a procedure for recording the shooting conditions selected”);
- wherein the input device inputs the location information that is magnetic recorded on a film (Col 4, lines 20-24 “the processor controls a procedure for recording the shooting conditions selected and the data read out of the ROM in the magnetic recording area of the film via the magnetic head”).

3. Claims 1, 3 - 9 and 26-35 are rejected under 35 U.S.C. 102(b) as being anticipated by Honda et al. (5,296,884).

Regarding claims 1, 16, 32, and 34, Honda et al disclose an apparatus comprising:

- an input device for inputting location information associated with a picture-taking image (Col 4, lines 28-31 "a built-in receiving circuit which can receive electric wave from transmitting stations...using such methods as loran, Decca, Omega or GPS"); and
- a conversion device for converting the location information inputted by the input device to a plurality of signals in different representation forms (Col 5, lines 26-29 "selecting a place data corresponding to the absolute location through checking the place names and their respective are data stored in the determination unit").

Regarding claim 3, Honda et al disclose an apparatus wherein the input device inputs the location information recorded in an image recording medium (Col 5, lines 49-52 "the data are output to the record amplifier only when the shutter release button...is operated. These data are...recorded in a recording medium").

Regarding claims 4, and 6 - 8, Honda et al disclose an apparatus further comprising a recording device for recording location information according to a signal in a representation form converted by the conversion device into the image recording medium (Col 5, lines 24-30 "The determination is made by first calculating the absolute location in terms of longitude, latitude and altitude...then selecting a place data

corresponding to the absolute location through checking the place names and their respective area data stored in the determination unit")

Regarding claims 5 and 9, Honda et al disclose an apparatus further comprising a selection device for selecting a representation form in which the recording device records into the image recording medium (Col 5, lines 39-41 "Though the above data determination unit transmits a specific place name, it is possible to simply transmit the longitude and latitude" and Col 5, lines 31-35 "data determination unit contains a switch...and unless this switch is operated, the place data in data latch cannot be rewritten. Therefore, the same place data may be continuously selected").

Regarding claim 26, Honda et al disclose an apparatus further comprising a recording device for recording a plurality of segments of location information according to signals in different representation forms that are converted by the conversion device into the image recording medium (Col 4, lines 28-31 "a built-in receiving circuit which can receive electric wave from transmitting stations...using such methods as loran, Decca, Omega or GPS").

Regarding claim 27, Honda et al disclose an apparatus further comprising a recording device for selectively recording location information according to signals in different representation forms that are converted by the conversion device into the image recording medium (Col 4, lines 28-36 "a built-in receiving circuit which can receive electric wave from transmitting stations...using such methods as loran, Decca, Omega or GPS...based on the demodulated signals in accordance with the respective method").

Regarding claim 28, Honda et al disclose an apparatus comprising:

- a recording device for recording information associated with an image onto a recording medium (Abstract, "A camera is disclosed which has means for receiving an electric wave... When an image of an object is recorded... a data corresponding to every shot is recorded in accordance with the electric wave"); and
- a control device for causing the recording device to record a plurality of segments of location information associated with an image in different recording forms (Col 5, lines 26-29 "selecting a place data corresponding to the absolute location through checking the place names and their respective are data stored in the determination unit").

Regarding claims 29 and 31, Honda et al disclose an apparatus wherein the recording device records the location information in at least two of recording forms among a character form, a code form, and a latitude and longitude form (Col 3, lines 53-62 describe a method of selecting a character representation, and Col 4, lines 30-31 list several known latitude and longitude determining means).

Regarding claim 30, 33, and 35, Honda et al disclose an apparatus comprising:

- a recording device for recording information associated with an image onto a recording medium (Abstract, "A camera is disclosed which has means for receiving an electric wave... When an image of an object is recorded... a data corresponding to every shot is recorded in accordance with the electric wave"); and

- a control device for causing the recording device to record selectively location information associated with an image in different recording forms (Col 5, lines 39-41 "Though the above data determination unit 12 transmits a specific place name, it is possible to simply transmit the longitude and latitude").

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 10, 13-15, and 17-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Hashimoto et al (6,507,371).

The applied reference has a common assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding claims 10 and 17 - 25, Hashimoto et al disclose:

- an input device for inputting, from an image recording medium into which a picture-taking image is recorded, location information associated with the picture-taking image as original information (Col 5, lines 6-8 "A user inputs

- image data into a personal computer by using input means such as a memory card");
- a conversion device for converting the original information inputted by the input device to location information in a predetermined representation form (The second embodiment, beginning on Col 4, line 30, discloses a means and method of using the existing location information to look up a more descriptive location information via the Internet. Also note Fig. 15.); and
 - a recording device for recording the location information in the predetermined representation form converted by the conversion device into the image recording medium (Fig 5B, item 308 "HDD/MO").

Regarding claim 13, Hashimoto et al disclose an apparatus further comprising a selection device for selecting a representation form in which the recording device records into the image recording medium (Col 4, lines 46-48 "it is possible to gradually expand a range...in accordance with a conversion table").

Regarding claim 14, Hashimoto et al disclose an apparatus wherein the input device inputs latitude and longitude information as the original information (Col 4, lines 36-37 "This embodiment basically shows the pieces of information for latitude and longitude").

Regarding claim 15, Hashimoto et al disclose an apparatus wherein the conversion device converts the location information to at least one representation form of a character form, a code form, and a latitude and longitude form (Col 5, lines 50-51 "Position information is change to the above city name or the like").

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto et al as applied to claim 10 above, and further in view of Nealton (5,023,635).

Regarding claim 11, although Hashimoto et al suggest an apparatus that further comprises a selection device for selecting whether the location information in the predetermined representation form converted by the conversion device is recorded into the image recording medium along with the original information or not (Col 7, line 18 “There is a method of inputting no data”), they do not specifically disclose storing determined data along with original data.

Nealton teaches optionally storing new data along with existing data (Col 7, lines 51-55 “the order entry station plays back the new or modified instructions it now stores, which are transmitted to the photofinishing system for recording”). As suggested by Hashimoto et al and taught by Nealton, being able to store the original data along with the new data permits the original data to be retrieved without degradation or distortion. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide a means for determining whether original and derived data would be stored together or not.

8. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto et al as applied to claim 10 above, and further in view of Funazaki.

Regarding claim 12, although Hashimoto et al suggest an apparatus wherein the input device inputs the original information that is magnetic recorded on a film (Col 3, line 65- Col 4, line 3 "Image and location information can be recorded in an analog recording medium such as a silver film or a digital recording medium such as a flash memory"), they do not specifically disclose the use of a magnetic recording on a film medium.

Funazaki teaches the storage of auxiliary photographic data on a magnetic area of a photographic film (Col 4, lines 20-24 "the processor controls a procedure for recording the shooting conditions selected and the data read out of the ROM in the magnetic recording area of the film via the magnetic head"). As suggested by Hashimoto et al and taught by Funazaki, storing of auxiliary photography data such as location data on a magnetic track on a film permits a high quality image storage with additional data in a format where the image and the data are preserved together. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to record location data on a magnetic portion of a film.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Fletcher whose telephone number is (703) 305-3464. The examiner can normally be reached on 7:45AM - 5:45PM M-Th, first Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Christensen can be reached at (703) 308-9644.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC 20231

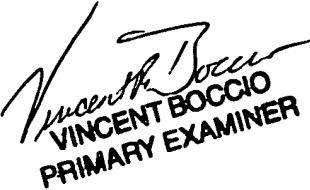
or faxed to:

(703) 872-9314 (for Technology Center 2600 only).

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

JAF
April 28, 2003



VINCENT BOCCIO
PRIMARY EXAMINER